



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area

(00000)

Machine Id

HINO 8464618

Component

Diesel Engine

Fluid

MOBIL DELVAC 1300 SUPER 15W40 (18 QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

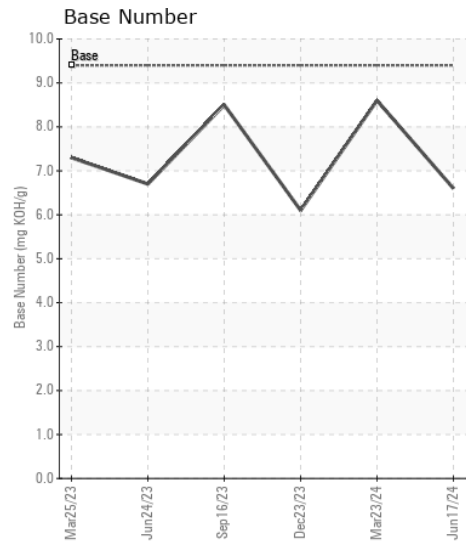
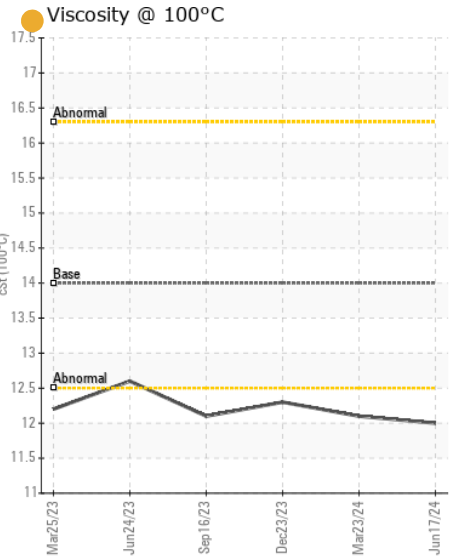
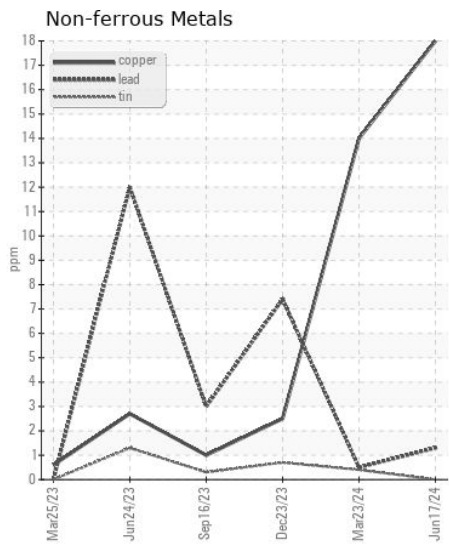
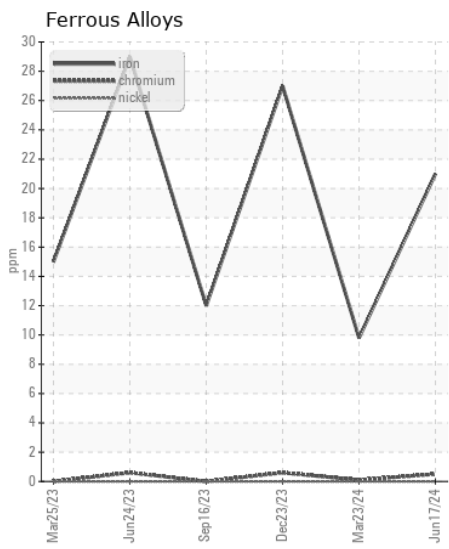
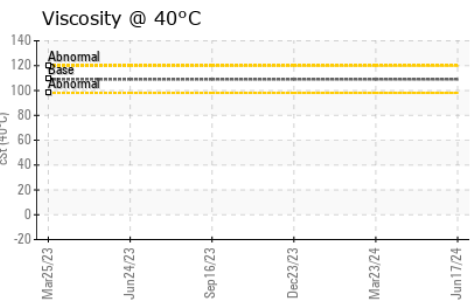
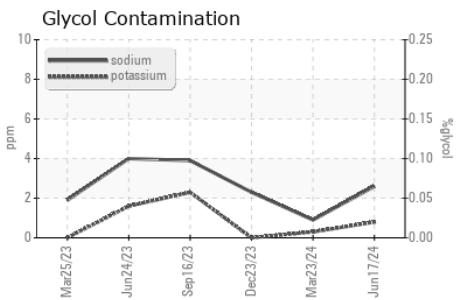
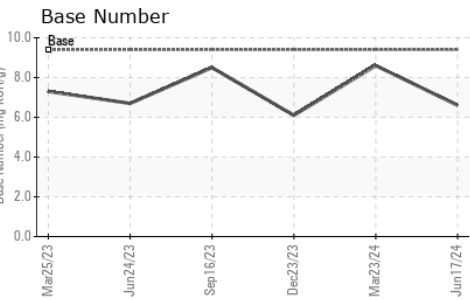
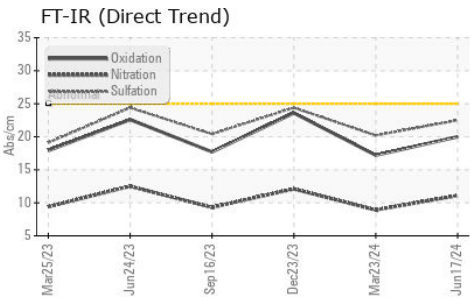
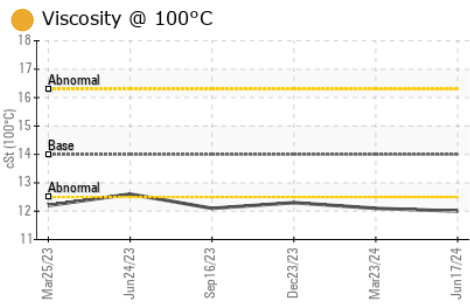
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0021096	RPL0019402	RPL0017348
Sample Date		Client Info		17 Jun 2024	23 Mar 2024	23 Dec 2023
Machine Age	mls	Client Info		139610	132821	125244
Oil Age	mls	Client Info		132821	11648	18054
Filter Age	mls	Client Info		0	0	18054
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION

Iron	ppm	ASTM D5185m	>100	21	10	27
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	1	1	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	3
Lead	ppm	ASTM D5185m	>40	1	<1	7
Copper	ppm	ASTM D5185m	>330	18	14	2
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	4	3	5
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	*ASTM D2982		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.3	0.7
Nitration	Abs/cm	*ASTM D7624	>20	11.1	8.9	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5	20.2	24.4
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		3	<1	2
Boron	ppm	ASTM D5185m	0	4	3	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	64	60	64
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	0	1048	957	1006
Calcium	ppm	ASTM D5185m		1214	1091	1109
Phosphorus	ppm	ASTM D5185m		973	1032	1100
Zinc	ppm	ASTM D5185m		1256	1237	1288
Sulfur	ppm	ASTM D5185m		3839	3442	2975
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0	17.2	23.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.6	8.6	6.1
Visc @ 100°C	cSt	ASTM D445	14	12.0	12.1	12.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0021096 **Received** : 12 Jul 2024
Lab Number : 06234496 **Tested** : 18 Jul 2024
Unique Number : 11123330 **Diagnosed** : 18 Jul 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: Glycol, KV40)

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: GERARDO CARROLA
 carrolag@rushenterprises.com

Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)